

IOWA DEPARTMENT OF NATURAL RESOURCES
LAND & WATERS BUREAU
WALLACE STATE OFFICE BUILDING

ADDENDUM No. 2

SWEET MARSH WILDLIFE MANAGEMENT AREA
BOAT CHANNEL DREDGING
BREMER COUNTY, IOWA
PROJECT NUMBER: 19-03-09-06

May 11, 2023

This Addendum is issued to modify, explain or correct the original Drawings and Specifications, and is hereby made a part of the Contract Documents. Please attach this Addendum to the Project Manual in your possession. Insert the number and issue date of this Addendum in the blank space provided on the Proposal Form.

Pre-Bid Meeting Notes:

- A. The pre-bid meeting notes and sign-in sheet are attached.

Plans:

- A. Sheet A.01
 - a. Signatures have been added.

PRE-BID MEETING NOTES

Sweet Marsh Wildlife Management Area
Boat Channel Dredging
Bremer County, Iowa
Project No. 19-03-09-06

11:00 A.M. May 5, 2023

- Introduction
 - Mandi Aldrich Peters, Project Manager
 - Ken Howe, District Field Engineer
 - Jason Auel, Natural Resources Biologist
 - Logan Mcewan, Natural Resources Technician
 - Jim Jansen, NE Regional Supervisor
- Contract Information
 - Cost Estimate - \$400,000
 - Proposal Guarantee Bond - \$25,000.00
 - Bid Opening
 - 11:00 a.m., May 18, 2023, Wallace State Office Building
 - Natural Resource Commission meeting – June 6, 2023
 - Start Date –After the contract signing anticipated July 1, 2023
 - Completion Date – May 15, 2024
 - Liquidated Damages - \$300/day
- Schedule
 - Lake has been down since Fall of 2022 and will be down for the duration of the project
 - Earthwork completion date (Required by permits) – March 15, 2024
 - Final completion – May 15, 2024
- Construction
 - Survey is a bid item – CADD linework is available for construction
 - Construction Specifications shall follow the Iowa DOT Standard Specifications for Highway and Bridge Construction, Series 2015, including GS-15016 revisions Division 20-26 and 41.
 - Scope of work
 - Excavation
 - 5,946.6 CY of material will be used to repair the dike.
 - 60,017 CY of material will be side cast to enhance fish habitat.
 - By spec excavation quantity is by pre/post survey. Plan quantity by agreement is an option.
 - Any additional dewatering will be incidental.
 - The use of mobile equipment pads will be incidental.
 - Removal of silt in the Martens Lake outlet structures will be incidental.

- Extent and location of removed material may be field adjusted but total quantity will attempt to be held consistent
 - 6:1 side slopes interior to lake and 3:1 side slopes exterior with a 12' top. Existing exterior slopes do not need to be cut to 3:1 only constructed to it if steeper.
 - Channels will be 20' wide with 1:1 side slopes at varying depths adjacent to the dike and interior to the lake.
 - Side cast material shall be placed at a minimum of 15' from the edge of the channel and will not exceed an elevation of 996.2' (2' below normal pool elevation).
 - We envision that work will start with excavating the channel along the dike and placing the material on top of the dike to allow it time to dewater while excavating the interior channels. However, that is not required.
- Addenda
 - Addendum #1 – Pre-Bid Meeting
 - Planned Addendum #2 – Meeting minutes
 - Questions?

Can we email bids? Yes

What is the elevation of the spoils? This is in the construction plans. Spoil top will not exceed an elevation of 996.2' (2' below normal pool elevation).

Is excavated dirt placed the entire length on the top of dike? There will be grading along the entire top of the dike. The amount of fill varies in depth. See E sheets for the top of dike profile and sample cross sections below.

Can the top of the dike width be greater than 12' after completion? The intent is to reconstruct the original dike cross section with a top width of 12'. Additional clarification: However, in some locations it will be necessary for the top to be wider in order to tie into the existing surface. See sample cross sections below.

Is the 6:1 slope on the lake side to water level or bottom (ground)? The 6:1 slope is from top edge of dike to ground.

What is the water at now? Logan-all stop logs have been removed. Ground elevation at bridge is at 991 and ground elevation at outlet is at 992.5. Jason-Water being held is due to silt at outlets. Logan-Current water level will remain consistent. Silt will need to be removed in the structures and on lake side only.

Where is the starting limit of the project? Limits are indicated on D Sheets. Excavation starts at end of boat ramp and fill starts at beginning of dike wall.

Does the bottom of excavated channel elevation remain the same? No it varies. See sheet B.01 for cut depths.

Is there erosion control on the new dike? Yes, there is a bid item in the plans.

Is 6000 CY for 6:1 slope enough? Yes. Some areas will have cut on the top and interior slope. See sample cross sections below.

Does the exterior slope have to be graded to 3:1? No, if the current slope is less than 3:1, it can remain as it is. Only areas that need to be worked on are areas that are steeper than 3:1.

Are there holes? Yes, some channels will have 8' and 10' cuts. See sheet B.01 for cut depths.

No top soil needs to be brought in, correct? That is correct. All material is excavated from the channel construction.

Does the entire exterior dike slope get clearing and grubbing? No, only areas that have excavated material placed will require clearing and grubbing.

Does the exterior slope adjacent to the reservoir require 3:1? Some areas that have washout and gulley's will need to be addressed. This will be a case by case basis.

What are the 2 wood and stone structures at the bottom of the interior slope toward the end of the project limits? Will we have to work around them? Those are fish habitat structures and those can be relocated or removed.

Questions brought up at the beginning of the pre-bid meeting that not all attendees were present for:

Can we haul excavated channel material offsite? Mandi will get answer from DNR staff. After discussion the material may not be hauled offsite.

Can surface profile be provided? Mandi will provide CADD files. Design survey for the channels was completed from the lake's surface prior to draining.

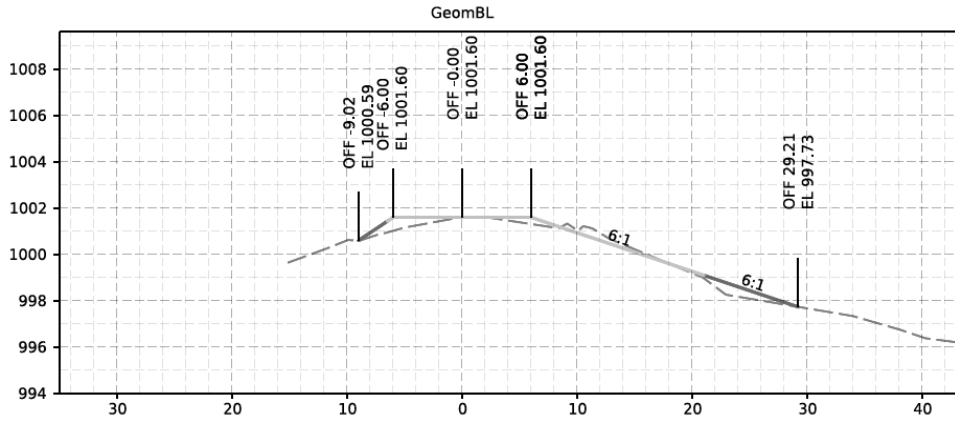
Any protected species? Yes, there are protected species and information is provided in the plans, including what to do if protected species is encountered.

After round table, staff and contractors drove the dike to review the existing conditions and follow up to questions noted above. Examples of dike interior and exterior slope conditions were observed.

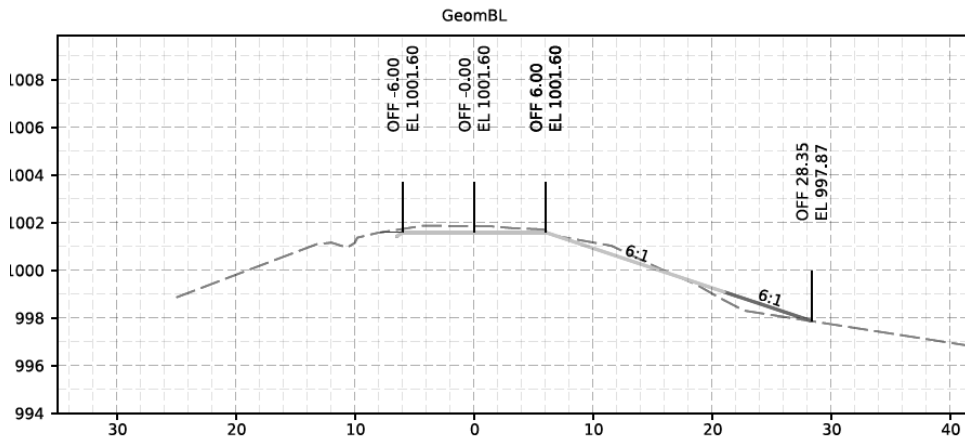
Meeting adjourned 12:30.

A few sample cross sections of the dike repair grading are shown below.

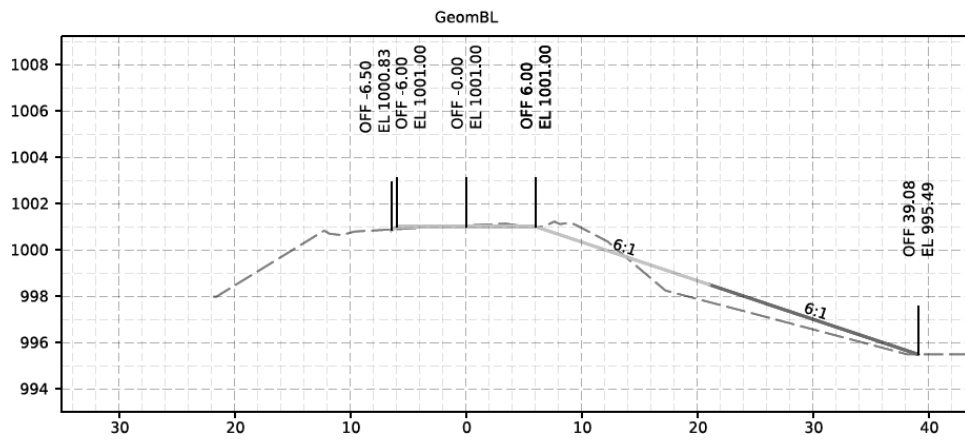
2+50



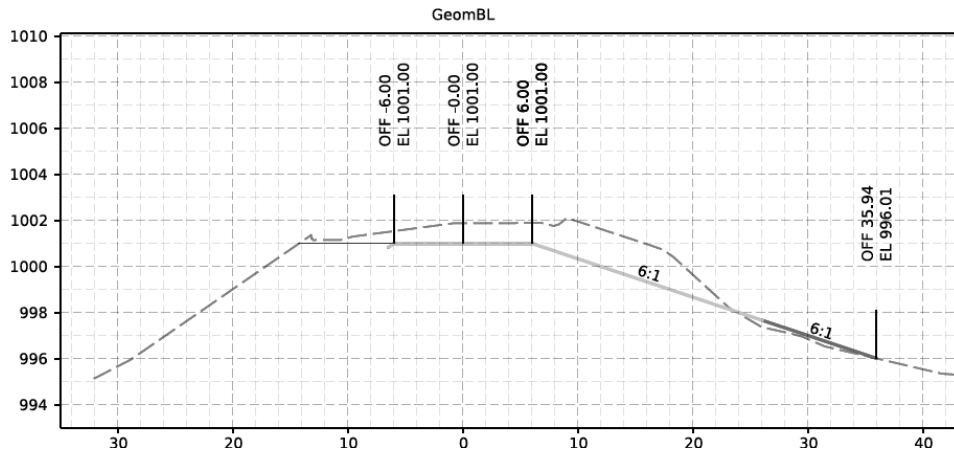
8+50



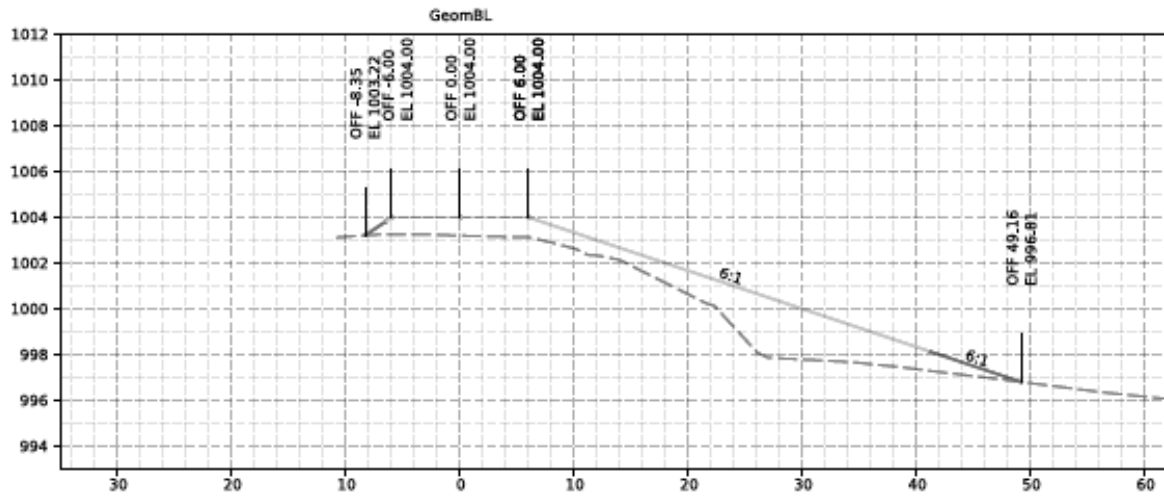
21+50



29+00



98+00



Sweet March WMA - Boat Channel Dredging

DNR Project #19-03-09-06 Pre-Bid Meeting, May 5, 2023

Name	Company
MARCUS messer	Veit + Company
[Signature]	Chad Heim Exc
Adrian Belmontez	Veit Diving & Dredging
Ken Howe	Iowa DNR
Mandi	Iowa DNR
Logan McEwan	Iowa DNR
Brent Steege	Denver Underground
Jason Auel	Iowa DNR
Jim Jansen	Iowa DNR

IOWA DEPARTMENT OF NATURAL RESOURCES

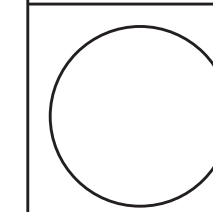
CONSTRUCTION DOCUMENTS
FOR
SWEET MARSH WILDLIFE MANAGEMENT AREA
BOAT CHANNEL DREDGING REBID
BREMER COUNTY

PROJECT #19-03-09-06

SHEET INDEX

A.01	COVER SHEET
A.02	PROJECT LOCATION MAPS
B.01	GENERAL DETAILS
C.01	QUANTITIES & NOTES
C.02	GENERAL NOTES
D.01	PLAN SHEET
D.02	PLAN SHEET
D.03	PLAN SHEET
D.04	PLAN SHEET
D.05	PLAN SHEET
D.06	PLAN SHEET
D.07	PLAN SHEET
D.08	PLAN SHEET
D.09	PLAN SHEET
D.10	PLAN SHEET
D.11	PLAN SHEET
D.12	PLAN SHEET
D.13	PLAN SHEET
D.14	PLAN SHEET
D.15	PLAN SHEET
D.16	PLAN SHEET
D.17	PLAN SHEET
D.18	PLAN SHEET
E.01	DIKE PROFILE SHEET
E.02	DIKE PROFILE SHEET
E.03	DIKE PROFILE SHEET
E.04	DIKE PROFILE SHEET
E.05	DIKE PROFILE SHEET
E.06	DIKE PROFILE SHEET
E.07	DIKE PROFILE SHEET
E.08	DIKE PROFILE SHEET
E.09	DIKE PROFILE SHEET
E.10	DIKE PROFILE SHEET
E.11	DIKE PROFILE SHEET
E.12	DIKE PROFILE SHEET
E.13	DIKE PROFILE SHEET
E.14	DIKE PROFILE SHEET
E.15	DIKE PROFILE SHEET
E.16	DIKE PROFILE SHEET
E.17	DIKE PROFILE SHEET
G.01	SURVEY CONTROL SHEET

CONSULTANT:



IOWA DEPARTMENT OF
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
502 E. 9TH ST., DES MOINES, IA 50319-0034



COVER SHEET

BOAT CHANNEL DREDGING FOR:

SWEET MARSH WILDLIFE MANAGEMENT AREA

BREMER COUNTY, IOWA

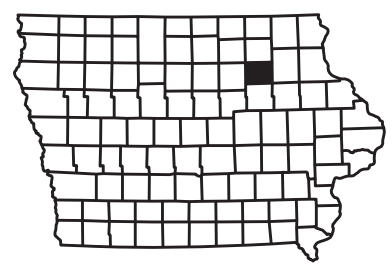
NO.	BY	REVISION

DRAWN BY: PROJECT NUMBER:
CHK'D BY: DATE:

19-03-09-06
May 2023
SHEET No:

A.01

www.iowaonecall.com



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED UNDER MY SUPERVISION AND THAT ENGINEERING DECISIONS WITH REGARD TO THE DESIGN WERE MADE BY ME UNDER THE LAWS OF THE STATE OF IOWA.

Mandi Lu Aldrich Peters
Digitally signed by Mandi Lu Aldrich Peters
Date: 2023.04.27 15:19:18 -05'00'

MANDI L. ALDRICH PETERS
PRINTED OR TYPED NAME

MY LICENCE RENEWAL DATE IS DECEMBER 31, 2023

PAGES COVERED BY THIS SEAL: ALL

DIRECTORY			
PROJECT MANAGER		CONSTRUCTION INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	502 EAST 9TH STREET	ADDRESS	502 EAST 9TH STREET
CITY, STATE, ZIP	DES MOINES, IA 50319	CITY, STATE, ZIP	DES MOINES, IA 50319
CONTACT	MANDI ALDRICH PETERS	CONTACT	KENNETH HOWE
TELEPHONE	515-205-1698	TELEPHONE	319-240-3553
FAX	-	FAX	-
EMAIL	Mandi.Aldrich-Peters@dnr.iowa.gov	EMAIL	Kenneth.Howe@dnr.iowa.gov

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REPAIR OF THE EXISTING DIKE SYSTEM AROUND MARTENS LAKE AND MECHANICALLY DREDGING PORTIONS OF THE LAKE.

AUTHORIZATION TO BID

George D Scholten
Digitally signed by George D Scholten
Date: 2023.04.27 10:55:03 -05'00'

AUTHORIZATION - PARKS | WILDLIFE | FISHERIES | LAW ENFORCEMENT | FORESTRY DATE

Travis Baker
Digitally signed by Travis Baker
Date: 2023.04.27 12:09:35 -05'00'

ENGINEERING BUREAU CHIEF DATE